

REMARKS

This amendment responds to the office action mailed January 13, 2005. In the office action the Examiner:

- objected to the specification, and in particular informalities in paragraphs 1, 5, and 92;
- objected to an informality in claim 1;
- rejected claims 1-14 as being indefinite under 35 U.S.C. 112, second paragraph; and
- rejected claims 1-14 under 35 U.S.C. 102(b) as anticipated by Farmwald et al (US 5,243,703).

After entry of this amendment, the pending claims are: claims 1-14.

Overview of Changes to the Specification

Informalities in the specification identified by the Examiner in the present Office Action have been corrected in the present reply. In addition, grammatical issues and matters of form and style have been corrected in this reply. No new matter has been added by these amendments.

Overview of Changes to Claims

Claims 1-14 have been amended in the present reply to correct an informality and the 35 U.S.C. 112, second paragraph issues identified by the Examiner in the present Office Action. Support for the claims amendments is found in the previously filed claims and in paragraphs 9-18 in the specification. Support for block size is found in paragraph 65 of the specification. The amendments, therefore, do not constitute new matter. Amended independent claims 1 and 11 are substantially identical to previously filed independent claims 1 and 11.

Requirement for Information

A copy of all the items of art requested by the Examiner in the present Office Action (Direct DRAM 64/72-Mbit Data Sheet, Direct RAC Data Sheet, Direct RMC.d1 Data Sheet, A Logical View of the Direct Rambus Architecture, Direct Rambus Technology Overview, Direct Rambus Clock Generator Source Sheet, Direct Rambus RIMM Module Data Sheet and Direct Rambus Memory Controller Summary) are included in this reply, which thereby constitutes a complete reply to the requirement for information.

Specification Objection

Paragraphs 1, 5 and 92 have been amended in this reply to correct the informalities identified by the Examiner in the present Office Action. Removal of this ground for objection is requested.

Claims Objection

The informality in claim 1 identified by the Examiner in the present Office Action have been corrected in the amendments in this reply. Removal of this ground for objection is requested.

Detailed Response 35 U.S.C. 112, second paragraph

Claims 1-14 have been amended in the present reply to correct the issues raised by the Examiner in the present Office Action. Communicate is a word known in the art and is supported by the specification. As a consequence it has not been amended in this reply. Removal of this ground for rejection is requested.

Detailed Response 35 U.S.C. 102(b)

In the present Office Action the Examiner has rejected the pending claims as anticipated by Farmwald (US 5,243,703). The Applicants disagree and traverse.

After entry of this reply, the pending independent claims contain the limitations of a memory controller having more than one mode of operation and a group of memory devices, as a multiplexed group, communicating a first data block during a first time period to the memory controller in accordance with control information from the controller. The group of memory devices includes at least one memory device having a first bandwidth that is less than a first data block size divided by the first time period. Farmwald does not disclose these limitations and, therefore, does not anticipate these pending independent claims. Since dependent claims include all the limitations of their parent independent claims, Farmwald also does not anticipate these claims. Removal of this ground for rejection is requested.

CONCLUSION

In light of the above amendments and remarks, the Applicant respectfully requests that the Examiner reconsider this application with a view towards allowance. The Examiner is invited to call the undersigned attorney if a telephone call could help resolve any remaining items.

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Respectfully submitted,



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